# WEST Search History

DATE: Monday, November 28, 2005

| Hide? | Set Name | Query | | Hit Count |
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| | | *DB=PGPB,USPT; PLUR=YES; OP=ADJ* | | |
| ☐ | L15 | L14 and l13 | *Sistanizadeh* | 3 |
| ☐ | L14 | L12 and l1 | | 40 |
| ☐ | L13 | abr or (border$ near router) | | 2398 |
| ☐ | L12 | l3 near12 (dorman$ or sleep$ or asleep$ or activat$) | | 2208 |
| ☐ | L11 | 6721269[pn] | | 1 |
| ☐ | L10 | 6721269[uref] | | 1 |
| ☐ | L9 | L8 and l1 and l2 | | 6 |
| ☐ | L8 | 709/239.ccls. | | 623 |
| ☐ | L7 | L6 same l3 | | 13 |
| ☐ | L6 | l1 same l2 | | 115 |
| ☐ | L5 | L4 and (l1 or l2) | | 1 |
| ☐ | L4 | L3 near16 (dormant$ or sleep$ or asleep$) | | 76 |
| ☐ | L3 | (fail$ or fault$ or alternat$ or secondary or backup or (back up) or spare or extra or additional or duplicate$) near2 (link$ or route or path or connect$) | | 255504 |
| ☐ | L2 | abr or (border$ adj router$) | | 2359 |
| ☐ | L1 | ospf or (open adj short$ adj path$ adj first$) | | 1931 |

END OF SEARCH HISTORY

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Google (Web) Yahoo! MSN CSB DBLP
30 documents found. **Order: number of citations.**

On Path Selection for Traffic with Bandwidth Guarantees - Ma, Steenkiste (1997) (Correct) (67 citations)
is the case in existing routing protocols such as **OSPF** and PNNI. As a result, we incorporate in our
the max-min share rate. Routing protocols, such as **OSPF**, use a reliable flooding mechanism to periodically
service by the IETF [22] and the available-bit-rate (**ABR**) with minimal cell rate (MCR) by ATM Forum [1]
www.cs.cmu.edu/afs/cs/project/cmcl/archive/Darwin-papers/97icnp.ps

Signal Stability based Adaptive Routing (SSA) for.. - Dube, Rais, Wang.. (1997) (Correct) (44 citations)
topology change [2]In link-state protocols, like **OSPF** [3]each node maintains the shortest-path tree to
Data Networks. Prentice-Hall, 1992. 3] J. Moy. **OSPF** Version 2. 1994. RFC 1583,
topology changes. The Associativity Based Routing (**ABR**) approach, 13]also uses broadcast queries to
www.cs.umd.edu/projects/mcml/papers/pcm97.ps

QoS Extension to BGP - Xiao, Lui, Wang, Nahrstedt (2002) (Correct) (4 citations)
Protocol (IGP) is used inside an AS, such as **OSPF**. BGP is the de facto standard of inter-domain
(we assume the IGP to be QoS-enabled, such as the **OSPF** with QoS extensions [11]If e is a TYPE-3 link,
Routing (LCR) and the Available Bandwidth Routing (**ABR**)address QoS advertising and routing in BGP with
happyeno.chonnam.ac.kr/Research/Routing/data/QosExtensionToBGP.pdf

Optimal Configuration of OSPF Aggregates - Yuri Breitbart Minos (2000) (Correct) (4 citations)
Optimal Configuration of **OSPF** Aggregates Yuri Breitbart Minos Garofalakis Amit
20, 2001 Abstract Open Shortest Path First (**OSPF**) is a popular protocol for routing within an
To Two Or More Areas, Known As Area Border Routers (**abrs**)Ospf Abrs Are Typically Configured To Aggregate
www.cs.cornell.edu/people/amitk/ospf.ps

Active Organisations for Routing - Willmott, Faltings (1999) (Correct) (1 citation)
by routing protocols such as RIP [RFC1058] and **OSPF** [RFC1131] which run in the background. IP routing
might however be used profitably for making VBR and **ABR** services more controllable. tables in IP
liawww.epfl.ch/~willmott/Public/Publications/active_orgs_iwan99.ps

A Framework for Routing and Congestion Control for Multicast .. - Sarkar, Tassiulas (1998) (Correct)
(1 citation)
multicast extensions for open shortest path first **OSPF**(MOSPF)17]The corebased tree(CBT)1] uses a
96 [17] J. Moy, Multicast routing extensions for **OSPF**, Comm, ACM vol 37, no. 8, pp 61-66, Aug 94. 18]
And Other Services Like Lan Emulation In Atm **Abr** Services. Many Envisioned Applications In Atm **Abr**
www.glue.umd.edu/~leandros/papers/ittrans.ps

Multicast Communication in "ad hoc" Networks - Meggers, Filios (1998) (Correct) (1 citation)
State Routing (DLSR)Open Shortest Path First (**OSPF**) and pure Flooding are other routing protocols,
creates for each destination a different DODAG. **ABR** by Toh [10]Dynamic Link State Routing (DLSR)
www-i4.informatik.rwth-aachen.de/RESEARCH/Papers/1998/vtc_16-3.ps.gz

OSPF and IS-IS Evolution - Jukka Honkola Helsinki (2004) (Correct)
**OSPF** and IS-IS Evolution Jukka Honkola Helsinki
Abstract Open Shortest Path First (**OSPF**) and Intermediate System to Intermediate System
to the backbone are called Area Border Routers (**ABR**) in **OSPF** and Level 2 (L2) intermediate systems in
www.tml.hut.fi/Studies/T-110.551/2004/papers/Honkola.pdf

Unknown - (Correct)
m Current routing protocols (e.g.RIP and **OSPF**) find the shortest path (may be over-utilized)
management m Voice Data Integration: CBR, VBR, **ABR**, UBR m Signaling m Quality of service routing:
www.cse.ohio-state.edu/~jain/cis788-99/ftp/h_3trn.pdf

Network Working Group W. Lai, Ed. Request for Comments: 3386.. - Status Of This (Correct)
Participates On Both Sides Of A Boundary (e.g.**Ospf Abr**) Note That This Is A Common Point Of

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Google (Web)  Yahoo!  MSN  CSB  DBLP
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The Impact of BGP Dynamics on Intra-Domain Traffic - Sharad Agarwal Chen-Nee (2004)  (Correct)
(11 citations)
(Intermediate System to Intermediate System) 1] or **OSPF** (Open Shortest Path First) 2]The IGP determines
determine how to send the packet to the nearest **border router**. The **border router** inside AS X will determine
balancing, link provisioning and implementing link **fail**-over strategies. For example, load balancing
sahara.cs.berkeley.edu/papers/ACBD04.pdf

**One or more of the query terms is very common - only partial results have been returned. Try Google
(CiteSeer).**

Centralized Multicast - Keshav And Paul (1998)  (Correct)  (5 citations)
domain runs a linkstate routing protocol, such as **OSPF** #Mo94a# or IS-IS #P92#While this is currently
Domain-1 Domain-3 Domain-2 BR.1 Gateway BR.3 **Border Router Border Router** Tunnel Tunnel Figure 2:
Domain-3 Domain-2 BR.1 Gateway BR.3 **Border Router Border Router** Tunnel Tunnel Figure 2: Domains, Root
www.cs.cornell.edu/skeshav/papers/cm.pdf

An Efficient Signature Scheme for Route Aggregation - Chari, Rabin, Rivest (2002)  (Correct)  (3 citations)
problem for hierarchical routing protocols such as **OSPF** where specially designated routers, have to
straddle two or more areas are called area{**border routers**. These routers are responsible for
requirement stated is protection against Byzantine **failures** where an arbitrary set of routers could **fail**
theory.lcs.mit.edu/~rivest/ChariRabinRivest-AnEfficientSignatureSchemeForRouteAggregation.ps

Rheinisch-Westfälische Technische Hochschule Aachen - Lehrstuhl Ur Informatik (2004)  (Correct)  (1 citation)
Protocol (RIP) or Open Shortest Path First (**OSPF**)Routing within an AS normally depends only on
"next hop" for all traffic leaving AS 2 is the **border router** of AS 1. This situation is quite common in
The AS reachability changes due to link **failure** and routers have to adapt to those changes. The
www-i4.informatik.rwth-aachen.de/content/teaching/seminars/sub/2003_2004_ws_docs/ImprovingBGP.pdf

Try your query at:  Google (CiteSeer)  Google (Web)  Yahoo!  MSN  CSB  DBLP

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ospf and (border router) and (fail or fault)   | Search |

Lowercase "or" was ignored. Try "OR" to search for either of two terms. [details]
The "AND" operator is unnecessary -- we include all search terms by default. [details]

**Scholar**           Results **1 - 10** of about **279** for **ospf and (border router) and (fail or fault)**. (0.23 seconds)

## IP multicast **fault** recovery in PIM over **OSPF**

X Wang, C Yu, H Schulzrinne, P Stirpe, W Wu -- 2000 International Conference on Network Protocols, 2000 -
ieeexplore.ieee.org
... Each area requires Area **Border** Routers (ABR) at their periphery ... failure occurs in
a network, IGMP, **OSPF**, and PIM ... times for 'A network on a **router** interface is ...
Cited by 6 - Web Search - cs.buffalo.edu - cs.columbia.edu - nmsl.cs.ucsb.edu - all 14 versions »

## On the Vulnerabilities and Protection of **OSPF** Routing Protocol

F Wang, SF Wu - IC3N'98: Proceedings of the International Conference on ... - ieeexplore.ieee.org
... One is simple **fail**-stop failure, such as link, interface or **router** up and down ... ASJIR
(autonomous system **border router**) is compro- mised: **OSPF** uses ASBR to ...
Cited by 8 - Web Search - doi.ieeecs.org - doi.ieeecomputersociety.org - cs.ucsb.edu - all 6 versions »

## An **OSPF** topology server: design and evaluation

A Shaikh, M Goyal, A Greenberg, R Rajan, KK ... - IEEE Journal on Selected Areas in Communications, 2002 -
ieeexplore.ieee.org
... protocols into **OSPF** is called an AS **border router** (ASBR ... 8. Simulated **OSPF** backbone:
Arrival of topology change via ... due to buffer overflows at a **router** through a ...
Cited by 20 - Web Search - cmpe.boun.edu.tr - research.att.com - ieeexplore.ieee.org

## **OSPF** for Routing Information Exchange Across Metro/Core Optical Networks

D Wang, J Strand, J Yates, C Kalmanek, G Li, A ... - Optical Networks Magazine, 2002 - research.att.com
... the backbone area, referred to as an area **border router**. ... may compute the route from
the **border** nodes to ... database, using information received via the **OSPF** module ...
Cited by 4 - View as HTML - Web Search

## Network Admission Control for **Fault**-Tolerant QoS Provisioning

M Menth, S Kopf, J Charzinski - High-Speed Networks for Multimedia Communication (HSNMC04) -
springerlink.com
... ECMP) variants of shortest path routing as in **OSPF**. ... the ingress and the egress **border**
**router** of a ... Network Admission Control for **Fault**-Tolerant QoS Provisioning ...
Cited by 1 - Web Search

## Sensitivity of Backup Capacity Requirements to Traffic Distribution and Resilience Constraints

M Menth, J Milbrandt, A Reifert - www-info3.informatik.uni-wuerzburg.de
... **OSPF** MT-4DSP-O ... **router** failures is similarly expensive as the protection of all **router**
and link ... If **border** routers **fail**, the traffic load in the network might be ...
Cited by 1 - View as HTML - Web Search - informatik.uni-wuerzburg.de - www-info3.informatik.uni-wuerzburg.de

## [PS] **Fault**-tolerance in IEEE1355 networks based on the STC104 **router** chip

H Trosvik -- folk.uio.no
... **OSPF** can also operate within a hierarchy. ... The **Border** Gateway Protocol (BGP) is an
exterior path vector ... as the active **router** if the active **router** should **fail**. ...
View as HTML - Web Search

## Internet Routing and DNS Voodoo in the Enterprises

DB Larkins - LISA, 1999 - usenix.org
... tolerance (ie a single ISP can **fail** without a ... By using IBGP to peer with each **border**
**router**, exit points ... be "tunnelled" over our native **OSPF** backbone ...

# Google Scholar BETA

| ospf and abr and (fail or fault) | Search |

Lowercase "or" was ignored. Try "OR" to search for either of two terms. [details]
The "AND" operator is unnecessary – we include all search terms by default. [details]

## Scholar

Results **1 - 10** of about **55** for **ospf and abr and (fail or fault)**. **(0.07 seconds)**

### IP multicast **fault** recovery in PIM over **OSPF**
X Wang, C Yu, H Schulzrinne, P Stirpe, W Wu - 2000 International Conference on Network Protocols, 2000 -
ieeexplore.ieee.org
... The **ABR** is responsible for the propagation of inter ... failure occurs in a network,
IGMP, **OSPF**, and PIM ... the protocol interactions under various **fail**-over scenarios ...
Cited by 6 - Web Search - cs.buffalo.edu - cs.columbia.edu - nmsl.cs.ucsb.edu - all 14 versions »

### On the Vulnerabilities and Protection of **OSPF** Routing Protocol
F Wang, SF Wu - IC3N'98: Proceedings of the International Conference on ... - ieeexplore.ieee.org
... One is simple **fail**-stop failure, such as link, interface ... **OSPF** is basically a
two-level routing protocol: intra ... and inter-area rout- ing, with **ABR** (area border ...
Cited by 8 - Web Search - doi.ieeecs.org - doi.ieeecomputersociety.org - cs.ucsb.edu - all 6 versions »

### ATM FORUM CONFORMANCE TESTING TO ENSURE YOUR P-" I
R Salier, G Nelson - ieeexplore.ieee.org
... the test cases required for execution The result for each test case (Pass, **Fail**,
or Inconclusive ... Acronyms **ABR** ATS BSTS CBR DTL ETS IISP LGN MIB **OSPF** PGL PGLE ...
Web Search

### Internet Routing and DNS Voodoo in the Enterprises
DB Larkins - LISA, 1999 - usenix.org
... of the route redistribution performed by the **ABR**, the Area ... Whereas **OSPF** and IGRP
are interior gateway proto- cols ... tolerance (ie a single ISP can **fail** without a ...
View as HTML - Web Search - sunshinepoultry.com - dcslab.snu.ac.kr - james.bond.edu.au - all 10 versions »

### Multi-layer survivability
J Meijen, E Varma, R Wu, Y Wang - white paper of Lucent Technologies, http://www. lucent- ..., 1999 -
euronetrt.hu
... such as Open Shortest Path (**OSPF**), Routing Information ... any particular survivability
mechanism might **fail** to protect against all possible **fault** causes. ...
Cited by 3 - View as HTML - Web Search

### Catalyst 8500 MSR—Multiservice Switch Router
P Overview - at2.com
... **ABR** Congestion Control Supports EFCI and Relative Rate ... Fast convergence around failures
with **OSPF** and EIGRP ... into existing Cisco networks; **fail**-over transparent ...
View as HTML - Web Search

### Retrofitting security into Internet infrastructure protocols
S Murphy, O Gudmundsson, R Mundy, B Wellington, NA ... - Proc. of DISCEX'00, 1999 -
doi.ieeecomputersociety.org
... The presence of areas in an **OSPF** autonomous system is attractive for scalable
configuration. However, the fact that each **ABR** summarizes data when reporting to ...
Cited by 6 - Web Search - ieeexplore.ieee.org - ieeexplore.ieee.org - doi.ieeecs.org

### A Practical Approach to Network Performance Characterization
K Shuaib, A Brooks - Information Technology Journal, 2004 - ansinet.org
... To ensure resiliency, **fault** tolerance and backward compatibility that will ... 1:X (where
X = 1 or N) Protection scheme **fail** over ... B QoS class UBR UBR UBR **ABR** UBR VBR ...